

WHAT IS CLAIMED IS:

1. An image processing condition setting
apparatus for determining an image processing condition
5 defining contents of an image processing to set up the
image processing condition to an image processing apparatus
for executing the image processing in accordance with the
determined image processing condition, said image
processing condition setting apparatus comprising:

10 an image obtaining section for obtaining an image
according to an original image to be subjected to an image
processing in said image processing apparatus;

an initial image processing condition
determination section for determining an initial image
15 processing condition in accordance with the image obtained
by said image obtaining section;

an image processing condition determination
section for determining in accordance with an operation an
image processing condition having a desired deviation from
20 the initial image processing condition determined by said
initial image processing condition determination section;
and

an image processing condition setting section for
setting up the image processing condition determined by
25 said image processing condition determination section to
said image processing apparatus.

2. An image processing condition setting apparatus according to claim 1, further comprising an association defining section defining an association between parameter values of a first parameter in which values applied to points on a predetermined path in a parameter space defined by a plurality of sorts of second parameters defining a deviation from the initial image processing condition, of the image processing condition, are given as parameter values, and combinations of parameter values of said plurality of sorts of second parameters corresponding to the points on the predetermined path,

wherein said image processing condition determination section is designated by the parameter values of the first parameter in accordance with an operation, and determines, referring to the association defined by said association defining section, the image processing condition having the deviation consisting of the combinations of parameter values of said plurality of sorts of second parameters, associated with the designated parameter values.

3. An image processing condition setting apparatus according to claim 2, wherein said association defining section is a storage section for storing a table in which the association is described.

4. An image processing condition setting
apparatus according to claim 2, wherein said association
defining section is a storage section for storing a
functional formula of parameter values of the second
parameter wherein parameter values of the first parameter
are given in form of argument.

5. An image processing condition setting
apparatus according to claim 1, further comprising a first
storage section for storing a deviation of the image
processing condition determined by said image processing
condition determination section from the initial image
processing condition determined by said initial image
processing condition determination section.

6. An image processing condition setting
apparatus according to claim 2, further comprising a second
storage section for storing parameter values of the first
parameter representative of a deviation of the image
processing condition determined by said image processing
condition determination section from the initial image
processing condition determined by said initial image
processing condition determination section.

7. An image processing condition setting
apparatus according to claim 1, further comprising a
display section for displaying a handler for a deviation

adjustment from the initial image processing condition
determined by said initial image processing condition
determination section,

5 wherein said image processing condition
determination section recognizes a desired deviation upon
receipt of an operation of the displayed handler and
determines the image processing condition having a desired
deviation from the initial image processing condition.

10 8. An image processing condition setting
apparatus according to claim 1, wherein said image
processing condition determination section produces a
plurality of images by a plurality of image processing
based on the image processing condition having deviations
15 mutually different on the image processing conditions for
the initial image processing condition determined by said
initial image processing condition, and determines the
image processing condition of the desired image upon
receipt of designation of a desired image of the plurality
20 of images, in accordance with an operation.

9. An image processing condition setting
apparatus according to claim 2, wherein said association
defining section defines the association on a plurality of
25 sorts of first parameter for a plurality of paths mutually
different in the parameter space,

 said image processing condition setting apparatus

image processing based on the image processing condition
for sets of the parameter values of the two sorts of first
parameters selected by said parameter selection section,
for the initial image processing condition determined by
5 said initial image processing condition, and determines the
image processing condition of the desired image upon
receipt of designation of a desired image of the plurality
of images, in accordance with an operation.

10 11. An image processing condition setting
apparatus according to claim 10, wherein said image
processing condition setting apparatus further comprises a
display section for displaying the plurality of images
produced by said image processing condition determination
15 section on a two-dimensional basis in accordance with the
parameter values of the two sorts of first parameters.

12. An image processing condition setting
apparatus according to claim 1, wherein said image
20 processing condition setting apparatus further comprises:

an image processing section for performing an
image processing for the image obtained by said image
obtaining section in accordance with the initial image
processing condition determined by said the initial image
25 processing condition determination section;

a display section for displaying a handler for a
deviation adjustment from the initial image processing

condition determined by said initial image processing
condition determination section and an image subjected to
the image processing by said image processing section, and
an indication section for indicating a microscopic
5 area on the image displayed on said display section in
accordance an operation,

wherein said image processing condition
determination section recognizes a desired deviation as to
the microscopic area on the image indicated by said
10 indication section in accordance with an operation of said
handler and determines the image processing condition in
which the desired deviation is reflected on the microscopic
area.

13. An image processing condition setting program
storage medium storing an image processing condition
setting program, wherein when the image processing
condition setting program is executed by a computer system,
said computer system serves as an image processing
20 condition setting apparatus for determining an image
processing condition defining contents of an image
processing to set up the image processing condition to an
image processing apparatus for executing the image
processing in accordance with the determined image
25 processing condition, said image processing condition
setting program comprising:

an image obtaining section for obtaining an image

according to an original image to be subjected to an image processing in said image processing apparatus;

an initial image processing condition determination section for determining an initial image processing condition in accordance with the image obtained by said image obtaining section;

an image processing condition determination section for determining in accordance with an operation an image processing condition having a desired deviation from the initial image processing condition determined by said initial image processing condition determination section; and

an image processing condition setting section for setting up the image processing condition determined by said image processing condition determination section to said image processing apparatus.